**What Will I Learn?**

**Forces, Motion**

**& Energy Unit**

**I will be able to I will be able to recognize that energy is necessary for change to occur.**

**I will be able to describe how energy transforms from one form to another (chemical, heat, electrical, sound, light, mechanical).**

**I will be able to demonstrate three ways that heat is transferred from one substance to another.**

**I will be able to predict what an object will do when force is transferred to it.**

**I will be able to use scientific terms and drawings to describe the motion of an object.**

**WHAT WILL I LEARN?**

**Astronomy**

**(Earth, Moon and Sun)**

**I will be able to describe how the universe is a system of interrelated parts that affect one another.**

**I will be able to use models to explain how the relative positions of earth, sun and moon.**

**I will be able to use models to demonstrate such observed phenomena like seasons, tides, day and night, and eclipses.**

**I will be able to explain how gravitational forces affect objects in the solar system.**